



Decision:

Approve SD. Main concern: SW wetland (4 mi)
Soil/Sed/SW samples frontage.
* Fishery.

DRZ 2/28/2000.

**PRELIMINARY FINDINGS REPORT
FOR
RECOVERY & RECYCLING EXPORT CO., MERCEDITA AIRPORT SITE
PONCE, PUERTO RICO**

Prepared for:

U.S. Environmental Protection Agency
Region II
New York, New York 10007

Prepared by:

Region II Superfund Technical Assessment and Response Team
Roy F. Weston, Inc.
Federal Programs Division
Edison, New Jersey 08837

JANUARY 2000

EPA Contract No. 68-W5-0019
Document Control No.: START-02-F-04035
TDD No.: 02-99-11-0007

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SUBMITTAL DATE: JANUARY 2000

WESTON/START

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Date: 2/1/00

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Date: 2/1/00

Approved by: W. Scott Butterfield
W. Scott Butterfield, CHMM
START Assistant Team Leader

Date: 2/1/00

Introduction

This Preliminary Findings Report provides a description of the Recovery & Recycling Export Co., Inc. (RRE), Aeropuerto Mercedita (Mercedita Airport) site, and a discussion of the inspection of the site that was conducted to determine the viability of further action for this site. Authorization is requested to conduct a Screening Site Inspection (SSI) of the site outlined. The SSI will provide additional analytical data for the Hazard Ranking System (HRS) evaluation of the site. This Preliminary Findings Report is being conducted as part of an investigation of RRE satellite facilities throughout Puerto Rico.

General Description and Site History

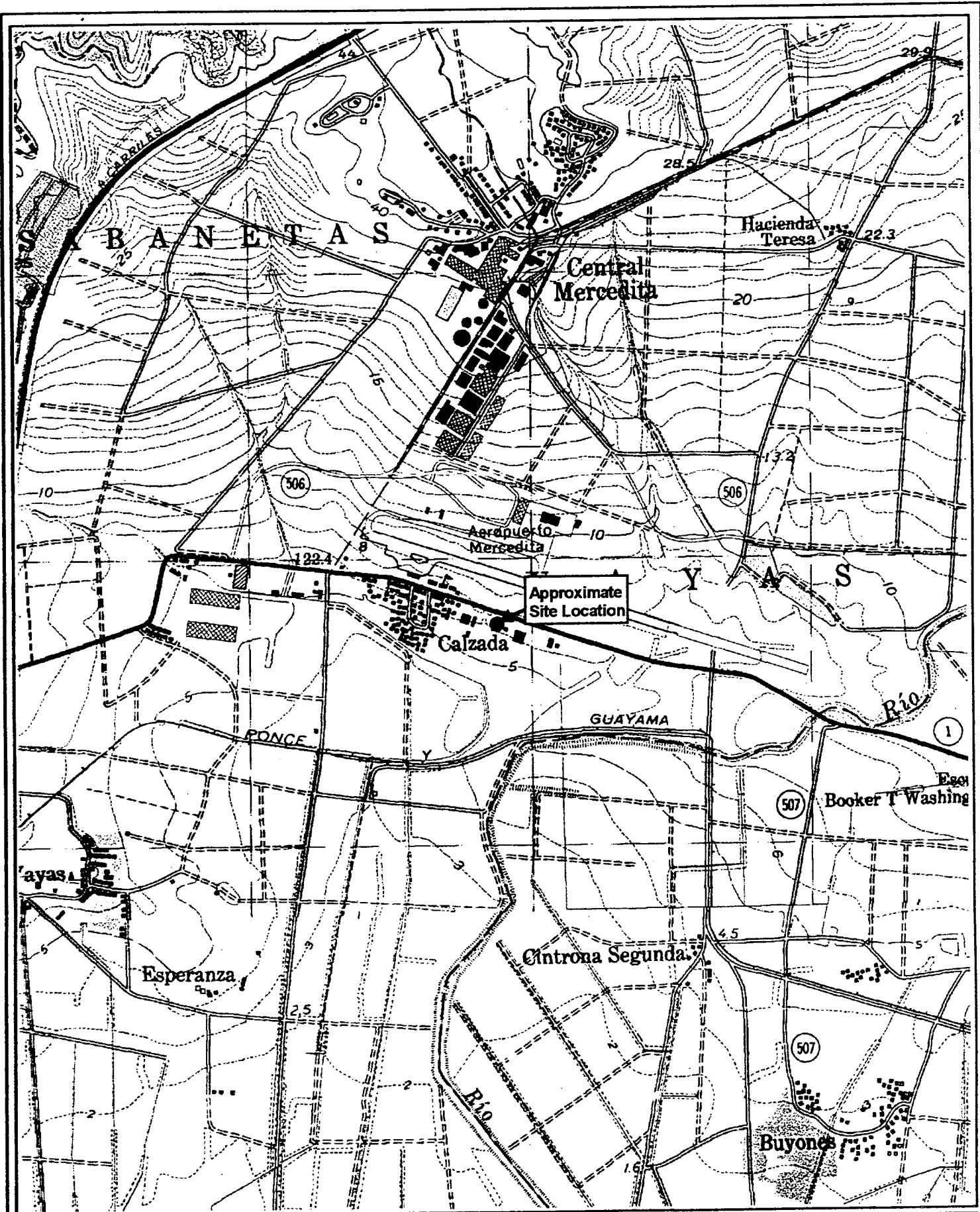
The RRE, Mercedita Airport site is located in Ponce, Puerto Rico. The site is located on State Road No. 1, at Km 123, in the Barrio Calzada, Ponce, PR. RRE currently stores and processes scrap metal on the property. The geographic coordinates of the site are 18°00'33" N latitude and 66°33'53" W longitude. A site location map is presented in Figure 1.

The RRE, Mercedita Airport site is approximately 10 acres in size and is currently used for scrap metal recycling. Ownership of RRE recently passed to Carlos Sanchez and sister Sara Sanchez. The Mercedita Airport site employs 10 people. There is one building on the property, a garage which is used as a storage space for car batteries. The garage is roofed and has large bay doors on two sides. These bays are kept closed with iron gates and locked with chains. A scale, for weighing truckloads of scrap, is located along the eastern border of the site. No one lives on the site and there are no residences within 200 feet of the boundary of the property. The site is unpaved, except for a short driveway leading to the scale. The site is situated in a primarily industrial area. It faces the Mercedita Airport to the north, across Route No. 1.

The Region II Superfund Technical Assessment and Response Team (START) conducted an on-site reconnaissance of the RRE, Mercedita Airport site on 11 November 1999. START was accompanied by representatives of the United States Environmental Protection Agency (EPA) and the Puerto Rico Environmental Quality Board (PREQB). Rinaldo Rosado granted access to the site and accompanied the inspection team on a tour of the facility. Sr. Rosado reported that RRE leases the property and has been at that location for 10 to 12 years. The site is sloped to the south and the nearest down slope surface water body is the Río Inabón. Many scrap piles have been staged at the southern end of the property. These piles contain, cables, automobile parts, and other un-identifiable scrap. Car batteries are stored in cardboard boxes on pallets inside of the garage. At least 11 pallets were observed in the building, each holding approximately 125 batteries. At the southeastern corner of the site, a roofed structure contains a metal compactor, used for processing some of the scrap metal. A site map is presented in Figure 2.

Evaluation of Existing Information

The overall HRS actual score before further sampling of the RRE, Mercedita Airport site is 12.99 (See Attachment 1). This Preliminary Findings Report indicates that soil and surface water/ sediment



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Recovery & Recycling Export Co.,
Mercedita Airport, Ponce, PR

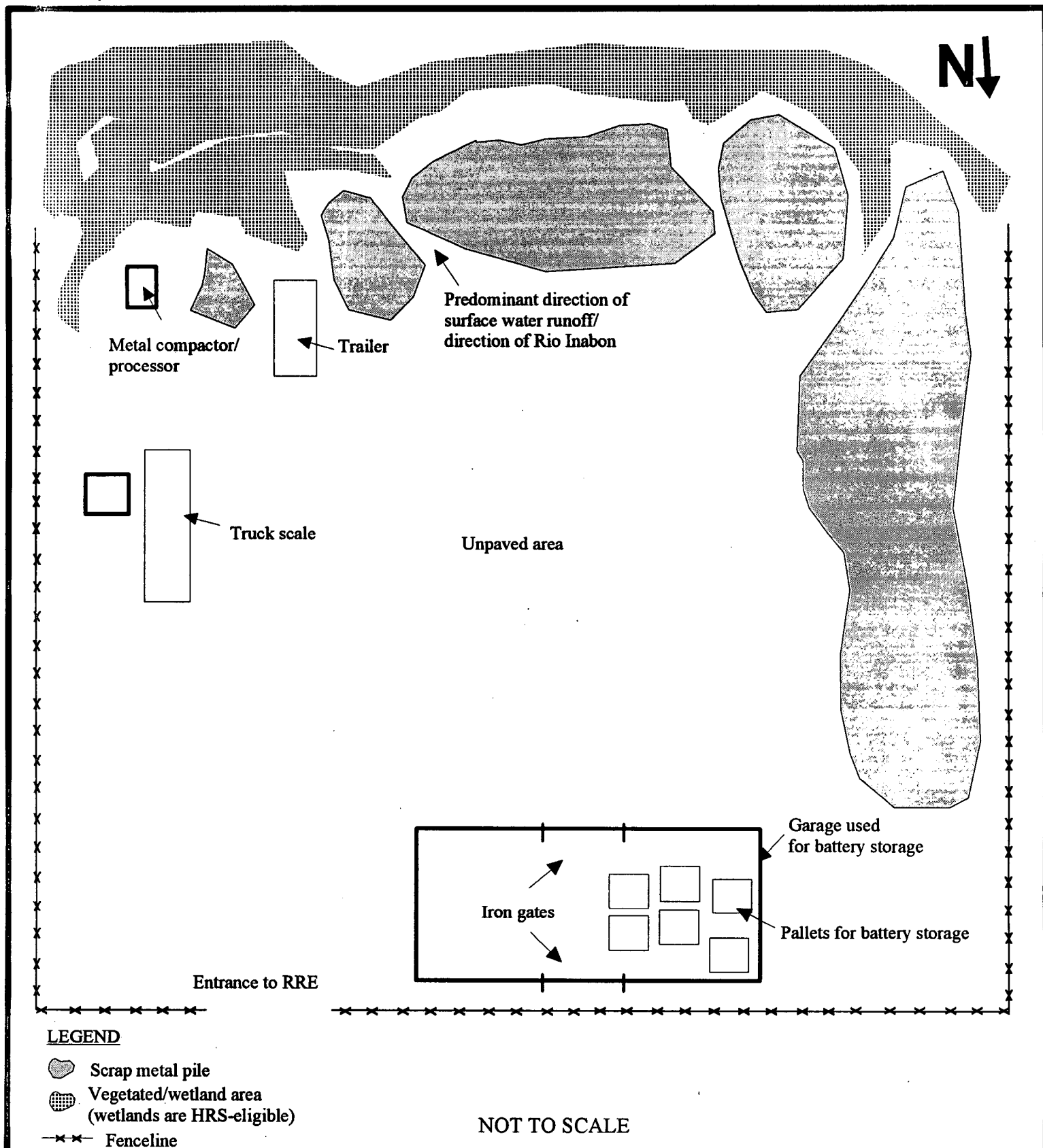
SITE LOCATION MAP
FIGURE 1

EPA TM
C. MOYIK

START PM
H. ALLEN

Site Coordinates:

18°00'33"N
66°33'53"W



WESTON
MANAGERS DESIGNERSCONSULTANTS

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION

EPA TM

C. MOYIK

FIGURE 2
SITE MAP

IN ASSOCIATION WITH RESOURCE APPLICATION, INC.,
C.C. JOHNSON & MALHOTRA, P.C., R.E. SARRIERA ASSOCIATES,
TETRATECH INC., AND GRB ENVIRONMENTAL SERVICES, INC.

START PM

H. ALLEN

Recovery & Recycling Export Co., Inc.
Mercedita Airport

sampling would provide the analytical data required to establish an observed release to surface water.

Hazard Assessment

Updated and additional information and data were also collected in order to further evaluate the site and determine whether any remedial action under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) is warranted. Specifically, the groundwater migration pathway was updated to include potable wells within a 4-mile radius of the site; and the surface water migration pathway was updated to include receptors, such as surface water intakes, fisheries, and sensitive environments within 15 miles downstream of the site. In addition, the air migration pathway was evaluated with respect to sensitive environments, including threatened and endangered species, and 1990 census population data within 4 miles of the site.

Sources

An on-site reconnaissance was conducted by START on 11 November 1999. The reconnaissance found that a large quantity of scrap metal was being stored on the site. Piles of scrap metal were observed which consisted of automobile parts, stripped and unstripped cables, and crushed drums and tanks. One waste source is the potentially contaminated soil on which the scrap piles are situated. The waste quantity of this source is given a default value of 1 cubic yard. The second waste source is the car batteries observed during the site reconnaissance. Approximately 1,000 car batteries were being stored on the site during the inspection. These batteries are assigned a waste quantity value of 5 cubic yards (approximately 1,000 gallons). Based on the waste sources identified, several hazardous substances will be attributed to the two waste sources at the RRE, Mercedita Airport site.

Groundwater Pathway

The actual groundwater pathway score is 25.88. If on-site observed soil contamination is documented, there is a potential to release site-attributable contaminants to the underlying aquifer of concern, the Ponce Aquifer System (PAS). A cluster of six public supply wells is located approximately 1.5 miles downgradient of the site; however, the Río Inabón may serve as a hydraulic boundary for groundwater in that area. The PAS is the major source of drinking water for the Ponce area. Near the coast, the PAS is predominantly comprised of alluvial deposits but contains some silt and clay lenses. Toward the northern extent of the PAS, the Ponce Limestone becomes the predominant water bearing unit in the aquifer system. The PAS is approximately 200 feet thick in the vicinity of the site. The PAS has a hydraulic conductivity of 50 feet/day in the alluvial deposits. The hydraulic conductivity increases to 300 feet/day (west of the site) in the town of Ponce. The site overlies regional alluvial soils known as Constancia-Jacaguas-San Antón soils. This loamy clay soil is approximately 5 feet in thickness, and it overlies the gravel and sand alluvium. The hydraulic conductivity of the alluvium is approximately 2 inches/hour (10^{-3} centimeters/second [cm/sec]). Depth to groundwater in the vicinity of the site, is approximately 20 feet below ground surface (bgs). Groundwater flows due south, in the direction of the Caribbean Sea.

There are as many as 27 public and 12 private potable wells located within 4 miles of the site which draw from the aquifer of concern. There are approximately 73,115 people served by drinking water

within a 4-mile radius of the site; however, the exact locations of the wells are not reported here. The total population on drinking water wells screened in the PAS has been apportioned to the 3- to 4-mile target distance ring, to be conservative (3.0 - 4.0 miles: 73,115).

Surface Water Pathway

The actual surface water pathway score is 2.29; however, an observed release of site-attributable hazardous substances is suspected for the RRE, Mercedita Airport site. Surface water runoff enters the Río Inabón approximately 1,055 feet down slope of waste sources at the site. In addition, at least 1 acre of HRS-eligible wetland is located either on site or adjacent to the site's southern boundary. The 15-mile target distance limit (TDL) reaches the Caribbean Sea approximately 3 miles downstream of the site. The TDL extends along the Caribbean Sea to the east to Salinas Abandonadas, and to the west to Faro de Guánica. The Río Inabón and the Caribbean Sea are both considered fisheries.

The site drainage area is approximately 1 acre, and it is located within the 100-year flood plain. In addition, wetland frontage within the TDL was estimated to be 4 miles using U. S. Department of the Interior National Wetlands Inventory maps. The flow rate of the Río Inabón is approximately 20 cubic feet per second.

Soil Pathway

The actual soil exposure pathway score is 0.00. Actual soil contamination is suspected because waste piles were observed on site. There are no residences, schools or day care centers located within 200 feet of the site boundary. At least 10 employees work on the site. The site is not utilized for commercial agriculture, silviculture, or livestock production. The site is bordered by a maintained fence on three sides; it is accessible to the public. The car batteries are stored in an open garage type building. The site is unpaved.

Air Pathway

The actual air pathway score is 0.10. There is no documentation (i.e., sampling data) available to indicate that a release of contaminants to air from the site has occurred. A total of 3,075 acres of wetlands were estimated within a 4-mile radius of the site using U. S. Department of the Interior National Wetlands Inventory (on-site: 1; 0 - 0.25 mile: 40; 0.25 - 0.5 mile: 105; 0.5 - 1 mile: 100; 1 - 2 miles: 595; 2 - 3 miles: 1,435; 3 - 4 miles: 800).

Sensitivity Analysis

A sensitivity analysis of the RRE, Mercedita Airport site was performed in order to determine the impact of certain variables on the overall HRS scoring (see Attachment 2). The surface water pathway was evaluated as the main pathway of concern, since receptors within this pathway held the most significant potential for affecting the overall site score. Copper, lead, sulfuric acid, polychlorinated biphenyls (PCBs), and bis (2-ethylhexyl) phthalate, were used in the following observed release scenario; these contaminants were identified on site or are attributable to the types of waste stored at the site.

1. If surface water or sediment samples indicate an observed release of copper, PCBs, and/or bis (2-ethylhexyl) phthalate to the Río Inabón (which is a fishery) or the adjacent on-site HRS-eligible wetland, the surface water pathway score will increase from 2.29 to 100.00 and the overall site score will increase from 12.99 to 51.65.

The current overall site score for the RRE, Mercedita Airport site is 12.99. An observed release of site-attributable contaminants to the surface water migration pathway would raise the overall site score to 51.65 (if an observed release of copper, PCBs, and/or bis (2-ethylhexyl) phthalate is established to the Río Inabón). Given the poor containment of site waste sources, the site's location in the Río Inabón floodplain, and the site's proximity to the Río Inabón fishery and a sensitive environment (i.e., on-site wetland), surface water/sediment sampling of the Río Inabón is warranted before making the final recommendation for this site.

Summary

The RRE, Mercedita Airport site will require additional sampling to provide sufficient documentation to establish an observed release to surface water. Sensitivity analyses demonstrate that an observed release to the surface water pathway would result in an overall site score above 28.5. Based on an evaluation of the above conditions, a Screening Site Inspection is proposed.

DCN # START-02-F-04035
JANUARY 2000

ATTACHMENT 1

**RECOVERY & RECYCLING EXPORT CO.,
MERCEDITA AIRPORT SITE
PRESCORE SCORE SHEETS - ACTUAL**

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PREScore 4.1
HRS DOCUMENTATION RECORD
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

1. Site Name: Recovery and Recycling Export Co., Mercedita Airport
(as entered in CERCLIS)
2. Site CERCLIS Number: NA
3. Site Reviewer: H. Allen
4. Date: 1/31/00
5. Site Location: Ponce, Barrio Calzada, PR
(City/County, State)
6. Congressional District: NA
7. Site Coordinates: Single

Latitude: 18°00'33.

Longitude: 66°33'53.

	Score
Ground Water Migration Pathway Score (Sgw)	25.88
Surface Water Migration Pathway Score (Ssw)	2.29
Soil Exposure Pathway Score (Ss)	0.00
Air Migration Pathway Score (Sa)	0.10

Site Score	12.99
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NOTE

Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

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Date: 4/12/17

Initials: jh

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PREScore 4.1
WASTE QUANTITY
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Car Batteries

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

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PREScore 4.1
WASTE QUANTITY
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Car Batteries	
b. Source Type		Contaminated Soil	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	5.00	0.00
e. Source Volume/Area Value		2.00E-03	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		2.00E-03	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Lead	< 2	NO	0.0E+00	ppm
Sulfuric acid	< 2	YES	0.0E+00	ppm

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PREScore 4.1
WASTE QUANTITY
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Cont. Soil (Scrap)

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

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PREScore 4.1
WASTE QUANTITY
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Cont. Soil (Scrap)	
b. Source Type		Contaminated Soil	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	1.00	0.00
e. Source Volume/Area Value		4.00E-04	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		4.00E-04	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Bis (2-ethylhexyl) phthalate	< 2	NO	0.0E+00	ppm
Copper	< 2	NO	0.0E+00	ppm
Lead	< 2	NO	0.0E+00	ppm
PCBs	< 2	NO	0.0E+00	ppm
Sulfuric acid	< 2	YES	0.0E+00	ppm

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PREScore 4.1
WASTE QUANTITY
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No. Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1 Car Batteries	GW-SW-SE-A	2.00E-03	0.00E+00	2.00E-03
2 Cont. Soil (Scrap)	GW-SW-SE-A	4.00E-04	0.00E+00	4.00E-04

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PREScore 4.1
GROUND WATER MIGRATION PATHWAY SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility 1.00E+03	10	10
SW: Overland Flow, DW	Tox./Persistence 1.00E+04	10	18
SW: Overland Flow, HFC	Tox./Persis./Bioacc. 5.00E+08	10	180
SW: Overland Flow, Env	Etox./Persis./Bioacc. 5.00E+08	10	180
SW: GW to SW, DW	Tox./Persistence 4.00E+02	10	6
SW: GW to SW, HFC	Tox./Persis./Bioacc. 1.00E+03	10	10
SW: GW to SW, Env	Etox./Persis./Bioacc. 5.00E+04	10	18
Soil Exposure:Resident	Toxicity 1.00E+04	0	0
Soil Exposure: Nearby	Toxicity 1.00E+04	0	0
Air	Toxicity/Mobility 2.00E+02	10	6

* Hazardous Waste Quantity Factor Values

** Waste Characteristics Factor Category Values

Note: SW = Surface Water
GW = Ground Water
DW = Drinking Water Threat
HFC = Human Food Chain Threat
Env = Environmental Threat

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GROUND WATER MIGRATION PATHWAY SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: PAS		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	10
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	500
3. Likelihood of Release	550	500
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+03
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	10
Targets		
7. Nearest Well	50	5.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	4.17E+02
8d. Population (lines 8a+8b+8c)	**	4.17E+02
9. Resources	5	5.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	4.27E+02
12. Targets (including overlaying aquifers)	**	4.27E+02
13. Aquifer Score	100	25.88
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	25.88

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	1
2c. Distance to Surface Water	25	9
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	100
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	25
3c. Potential to Release by Flood (lines 3a x 3b)	500	250
4. Potential to Release (lines 2d+3c)	500	350
5. Likelihood of Release	550	350
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	10
8. Waste Characteristics	100	18
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	0.00E+00
12. Targets (lines 9+10d+11)	**	0.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	350
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+08
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	1000	180
Targets		
18. Food Chain Individual	50	2.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	3.00E-04
19d. Population (lines 19a+19b+19c)	**	3.00E-04
20. Targets (lines 18+19d)	**	2.00E+00
21. HUMAN FOOD CHAIN THREAT SCORE	100	1.53

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	350
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+08
24. Hazardous Waste Quantity	*	10
25. Waste Characteristics	1000	180
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	1.00E+00
26d. Sensitive Environments (lines 26a+26b+26c)	**	1.00E+00
27. Targets (line 26d)	**	1.00E+00
28. ENVIRONMENTAL THREAT SCORE	60	0.76
29. WATERSHED SCORE	100	2.29
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	2.29

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: PAS		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	10
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	500
3. Likelihood of Release	550	500
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	4.00E+02
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	6
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Targets (lines 7+8d+9)	**	0.00E+00
11. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	500
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	1.00E+03
14. Hazardous Waste Quantity	*	10
15. Waste Characteristics	1000	10
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	1.50E-09
17d. Population (lines 17a+17b+17c)	**	1.50E-09
18. Targets (lines 16+17d)	**	1.50E-09
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	500
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	5.00E+04
22. Hazardous Waste Quantity	*	10
23. Waste Characteristics	1000	18
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments	**	0.00E+00
(lines 24a+24b+24c)		
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.00
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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PREScore 4.1
SOIL EXPOSURE PATHWAY SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+04
3. Hazardous Waste Quantity	*	0
4. Waste Characteristics	100	0
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	0.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.

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PREScore 4.1
SOIL EXPOSURE PATHWAY SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	1.00E+01
13. Area of Contamination	100	0.00E+00
14. Likelihood of Exposure	500	0.00E+00
Waste Characteristics		
15. Toxicity	*	1.00E+04
16. Hazardous Waste Quantity	*	0
17. Waste Characteristics	100	0
Targets		
18. Nearby Individual	1	0.00E+00
19. Population Within 1 Mile	**	0.00E+00
20. Targets (lines 18+19)	**	0.00E+00
21. NEARBY POPULATION THREAT SCORE	**	0.00E+00
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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PREScore 4.1
AIR PATHWAY SCORESHEET
Recovery and Recycling Export Co., Mercedita Airport
Actual Scoresheets

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	300
2b. Particulate Potential to Release	500	330
2c. Potential to Release	500	330
3. Likelihood of Release	550	330
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E+02
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	6
Targets		
7. Nearest Individual	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	4.00E+00
10c. Sens. Environments(lines 10a+10b)	***	4.00E+00
11. Targets (lines 7+8d+9+10c)	**	4.00E+00
AIR MIGRATION PATHWAY SCORE (Sa)	100	9.60E-02

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.

ATTACHMENT 2

**RECOVERY & RECYCLING EXPORT CO.,
MERCEDITA AIRPORT SITE
PRESCORE SCORE SHEETS - PROJECTED**

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PREScore 4.1
HRS DOCUMENTATION RECORD
Recovery and Recycling Export Co., Mercedita Airport
Projected Scoresheets

1. Site Name: Recovery and Recycling Export Co., Mercedita Airport
(as entered in CERCLIS)
2. Site CERCLIS Number: NA
3. Site Reviewer: H. Allen
4. Date: 1/31/00
5. Site Location: Ponce, Barrio Calzada, PR
(City/County,State)
6. Congressional District: NA
7. Site Coordinates: Single

Latitude: 18°00'33.

Longitude: 66°33'53.

	Score
Ground Water Migration Pathway Score (Sgw)	25.88
Surface Water Migration Pathway Score (Ssw)	100.00
Soil Exposure Pathway Score (Ss)	0.00
Air Migration Pathway Score (Sa)	0.10

Site Score	51.65
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NOTE

Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

